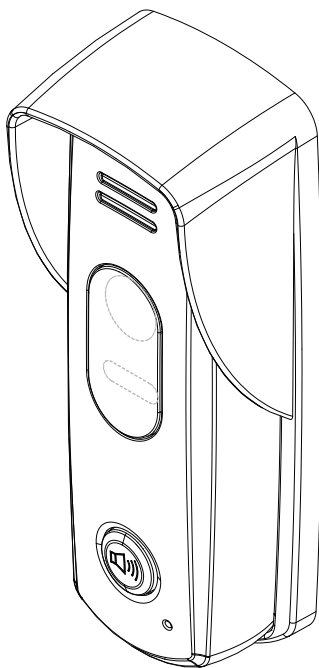




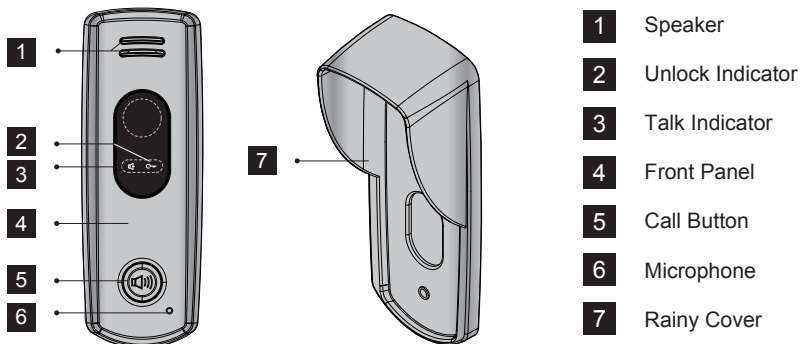
2-Wire Video Intercom System



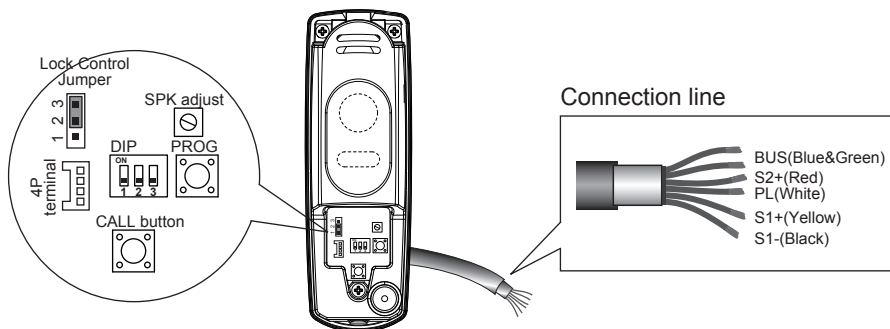
Parts and Function

The door station is an audio door station without camera, which is designed for DT 2-wire system. The front panel is made of zinc alloy for better protection against vandalism & cauterization, and the call button is also made of zinc alloy with blue backlight for auxiliary illumination, the unlock and talking LED indicator guarantee the door station working efficiently.

With the rainy cover, the door station can be strongly protection against water.



Terminal Description



- ◆ **Lock Control Jumper:** to select the lock type. Please refer to Electric Lock Connection
- ◆ **DIP switch:** to set ID code for door station, total 4 door stations can be supported. Please refer to DIP Switch Setting.
- ◆ **SPK adjust:** to adjust the talk volume.
- ◆ **PROG button:** reserve.
- ◆ **CALL button:** press to call the user.
- ◆ **4P terminal:** to update software via specified programmer.
- ◆ **Connection line:** to connect the bus line and the electronic locks.

BUS (Blue & Green): connect to the bus line, no polarity.

S2+ (Red): the S2+ connect with S1- to activate the relay of ERL to extend a camera of DT-CAM,

please refer to DT-CAM user instructions in details.

PL(White): external lock power input, connect to the power positive(power +).

S1+(Yellow): lock power(+) output.

S1-(Black): lock power(-) output.

Unit Mounting

The location of outdoor station should keep away from snow,rain,and intensity light.

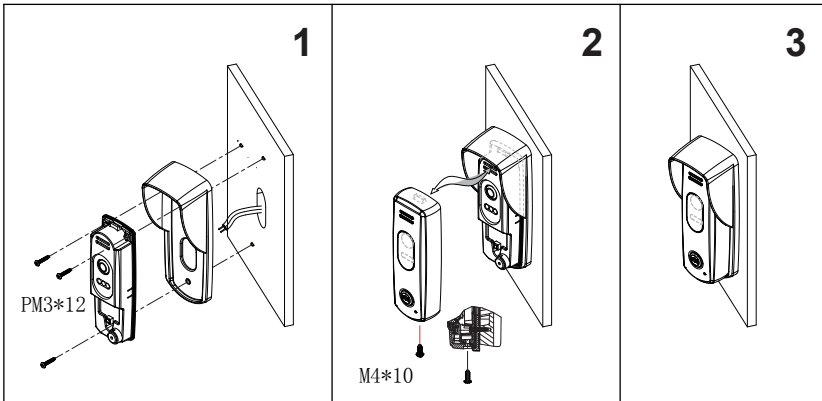
Accessory contents:

Accessories include a screwdriver T20, one M4X10 screw, two PA4X25 screws,three PA3x25 screws,three PM3x12 screws,and five screw stoppers $\Phi 6 \times 30$.

Installation steps:

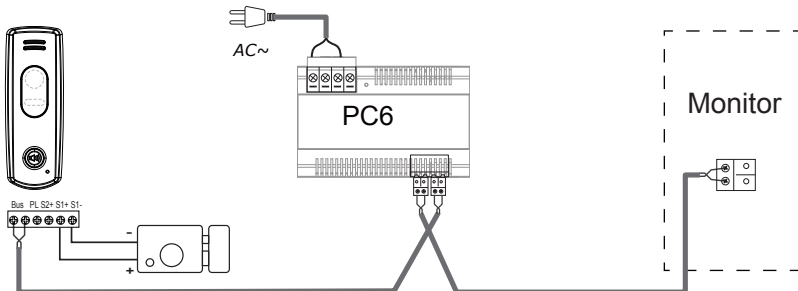
Installation height for door station usually is 145~160cm.

1. Use screws to fix the back panel and rainy cover to the wall after connect the cable correctly.
2. Attach the front panel to the back panel, then use the screw to fix it.



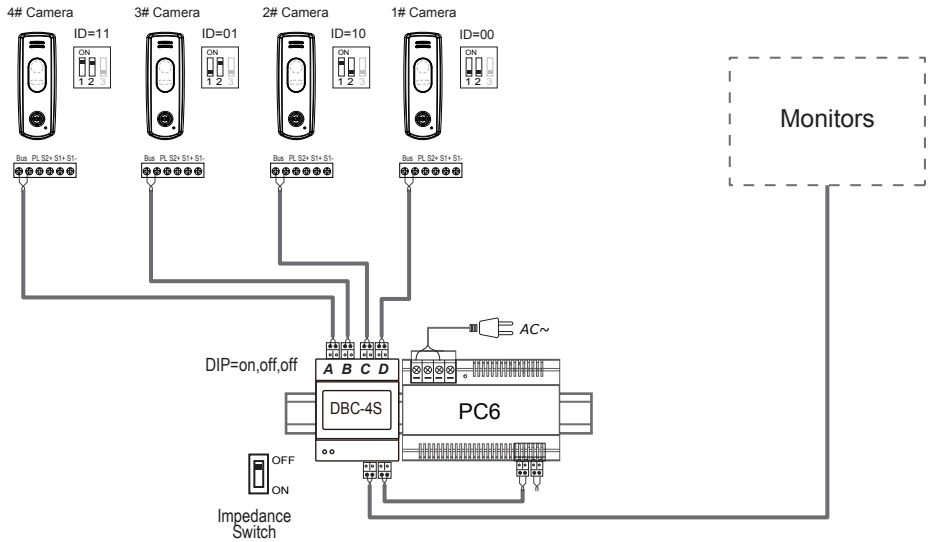
Wiring and Connection

Basic one-to-one connection



BUS(Blue&Green); S2+(Red); PL(White); S1+(Yellow); S1-(Black);

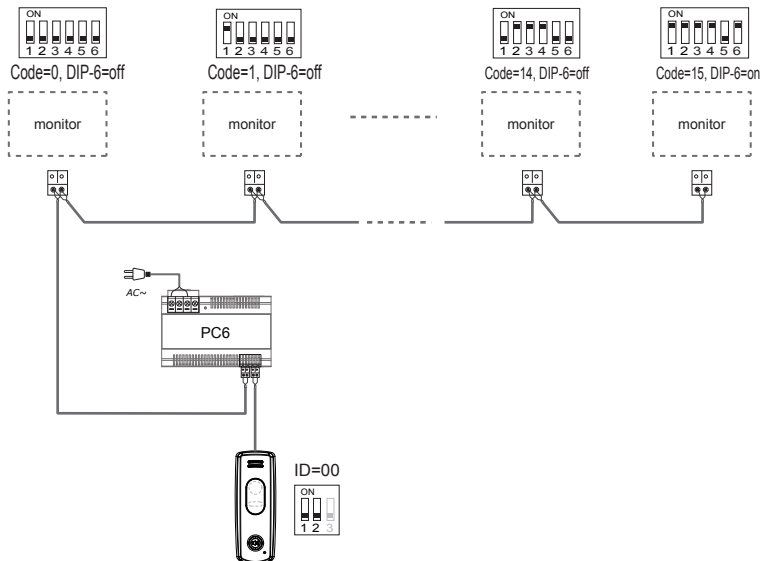
Multi Door Station Connection



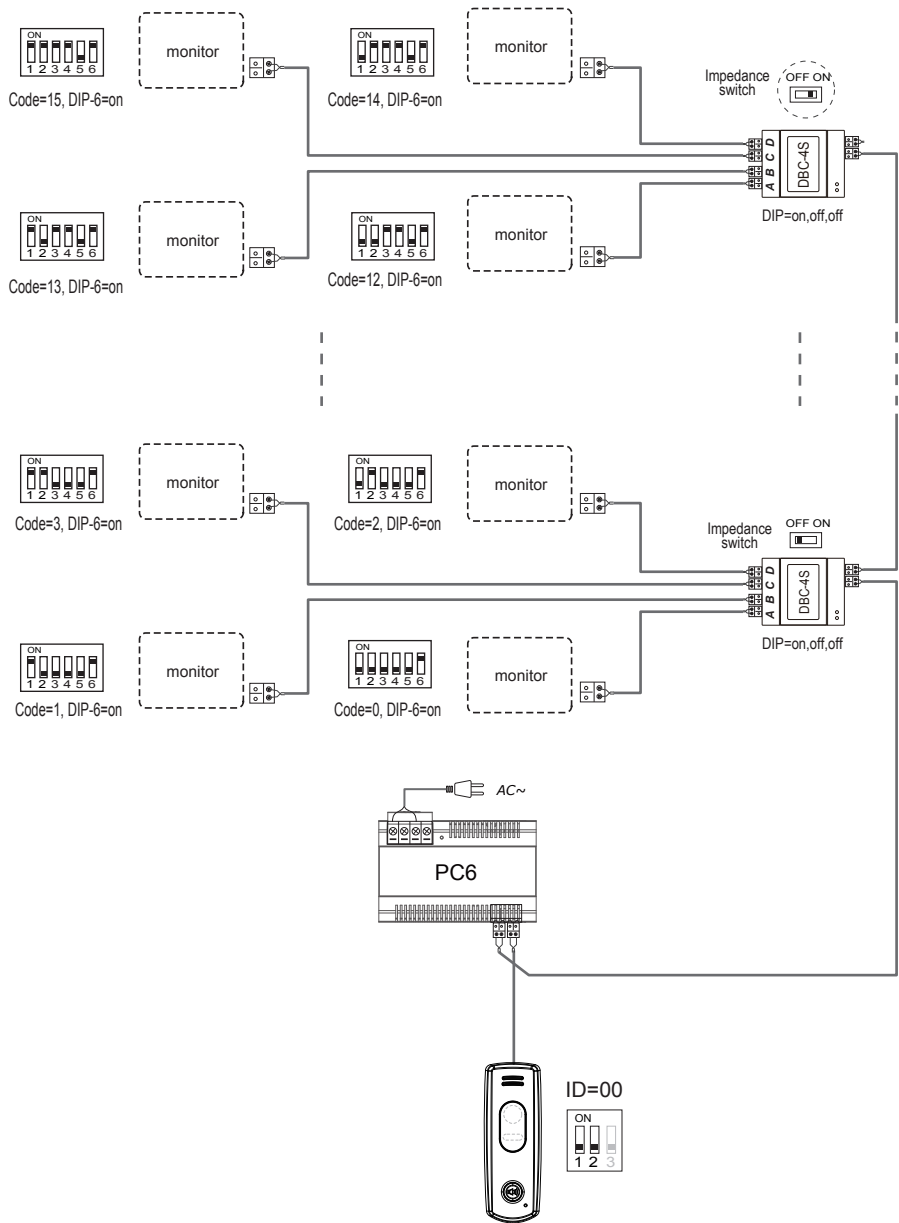
BUS(Blue&Green); S2+(Red); PL(White); S1+(Yellow); S1-(Black);

Multi Monitors Connection

Basic IN-OUT wiring mode

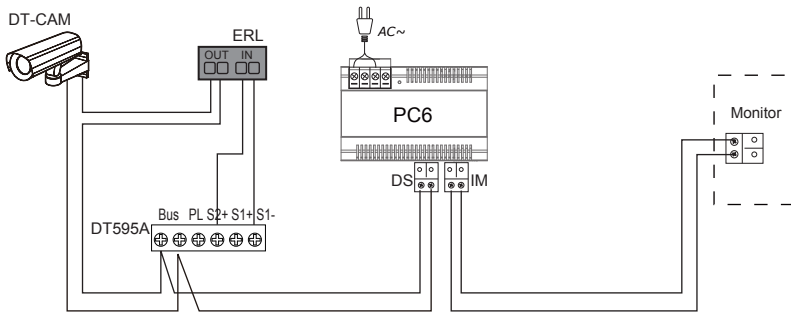


With DBC-4S Wiring Mode



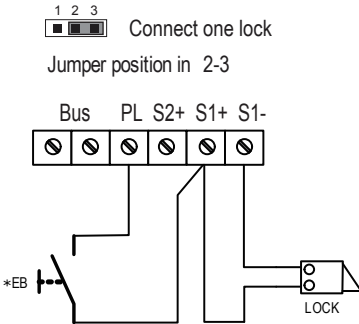
With DT-CAM wiring mode

The audio door station DT595A can be extended an additional CCTV camera to be a video door station. For more details about the camera, please refer to DT-CAM user instructions.



Electric Lock Connection

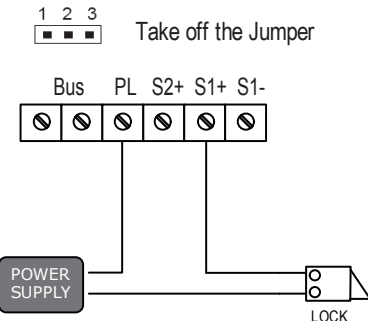
Door Lock Controlled with Internal Power



Note:

1. Electronic lock of Power-on-to-unlock type should be used.
2. The door lock is limited to 12V, and holding current must be less than 250mA.
3. The door lock control is not timed from Exit Button(EB).
4. The Unlock Mode Parameter of Monitor must be set to 0 (by default).

Door Lock Controlled with Dry Contact

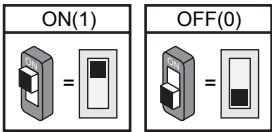


Note:

1. The external power supply must be used according to the lock.
 2. The jumper must be taken off before connecting.
 3. Setup the Unlock Mode of Monitor for different lock types.
- * Power-on-to-unlock type:Unlock Mode=0 (by default)
 * Power-off-to-unlock type:Unlock Mode=1

DIP Switch Setting

The DIP switch is designed to set the code for door station and monitor, there are two states for each DIP switch, please refer to the following sketch map.



Door station DIP setting

Total 3 bits can be configured, bit-1 and bit-2 are used to assign ID code for door station, bit-3 is used to match the video impedance. The switches can be modified either before or after installation.

Bit state	Description
	ID = 0(00), set to the first door station
	ID = 1(10), set to the second door station
	ID = 2(01), set to the third door station
	ID = 3(11), set to the fourth door station

Note: if the video impedance need to match, please set the bit-3 on.

Indoor monitor DIP setting

There are 6 bits in total. The DIP switches are used to configure the user code for Monitors.

Bit-6 is an video impedance match switch, which have to be set to ON if match the impedance, otherwise set to OFF.

Bit-1~Bit-5 are used to set user code, to DT595A door station, the user code should set to 0~15. Please refer to the following settings:

Bit state	User code	Bit state	User code	Bit state	User code
	code=0		code=6		code=11
	code=1		code=7		code=12
	code=2		code=8		code=13
	code=3		code=9		code=14
	code=4		code=10		code=15
	code=5				

Specification

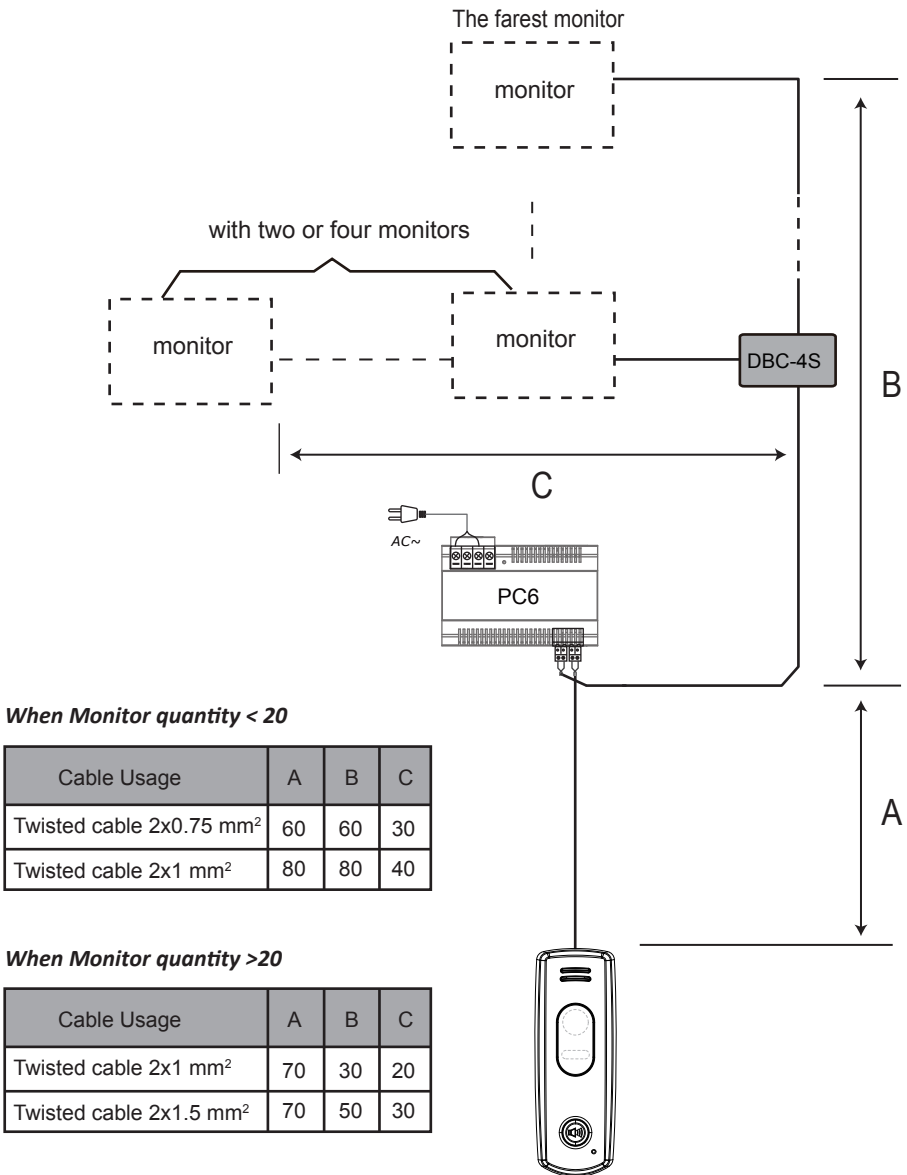
- Power Supply:DC 24V
- Power Consumption:Standby 60mA; Working status 200mA
- Lock Power Supply:12Vdc, 300mA(Internal Power)
- Working Temperature: -10°C ~ +45°C
- Wiring: 2 wires,non-polarity
- Dimension:137(H)x49(W)x28(D)mm

Precautions

- Please clean the unit with soft cotton cloth, don't use the organic impregnant or chemical clean agent. If necessary, please use a little pure water or dilute soap water to clean the dust.
- The unit is weather resistant. However do not spray high pressure water on access control keypad directly. Excessive moisture may cause problems with the unit.
- You must use the right adaptor which is supplied by the manufacture or approved by the manufacture.
- Pay attention to the high voltage inside the products, please refer service only to a trained and qualified professional.

Cable Requirements

The maximum distance of the wiring is limited in the DT system. Using different cables may also affect the maximum distance which the system can reach.



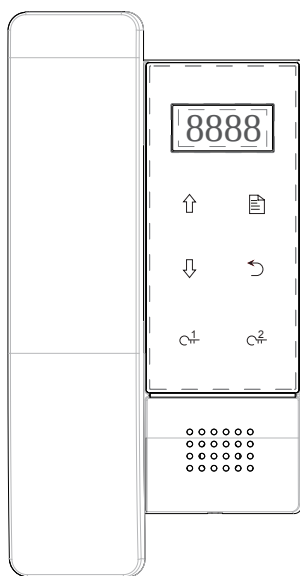
Note: If the monitor has been specified the distance, refer to the parameter.



The design and specifications can be changed without notice to the user. Right to interpret and copyright of this manual are preserved.

DT-DJ4S

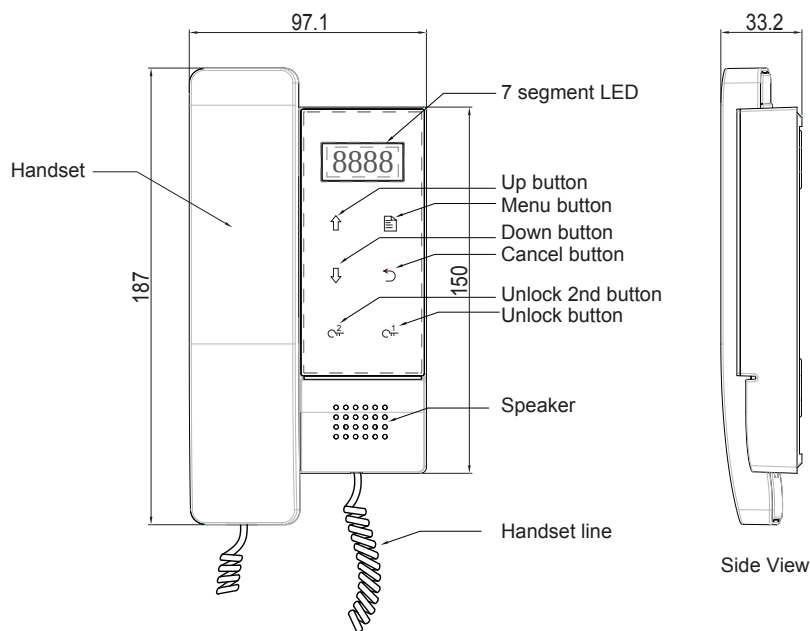
Audio Phone



User Manual

① Read this manual carefully before using the product, and keep it well for future use.

1. Parts and Functions



Key functions

7 segment LED	Display setting informations
Handset	Pick up to communicate with visitor
Hand line	Connect handset with monitor
Unlock button	Press to release the door
Unlock 2nd button	Press to release the second door
Up button	Press to move up or increase the value
Down button	Press to move down or decrease the value
Menu button	Press and hold for 2s to open the setting menu shortcuts.
Cancel button	Press to cancel the operations
Speaker	Send out voice from the visitor

2. Operation Instructions

1) Door opening function: When visitor calls from outdoor station, the monitor rings, pick up handset to talk with the visitor, then press the **Unlock** button to open the door. If the system connect 2 locks,press **Unlock 2nd** button to open the second door.

2) Monitoring & calling menu: Pick up handset in standby mode,the LED will be shown a scroll information "Intr Call",pressing **Up** button or **Down** button can stop the scroll. To quit this menu, please tap **Cancel** button.

3) Entrance monitoring: In monitoring & calling menu page, the LED show "ds-x"(x=1~4,refer to part 3-Numbers of door station),it means that the monitor select "x" door station to monitor. Press **Up** / **Down** button to increase/decrease the value,then press **Menu** button to activate the monitoring.

4) Inner call: In monitoring & calling menu page, use **Up** / **Down** button to select "-ALL" item on LED,then press **Menu** button to activate the inner call,all monitors connected to the system will ring at the same time. Pick up any monitor,the others will stop ringing immediately.(note that the user code must be the same for all monitors to activate the inner call function)

5) Intercom call: In monitoring & calling menu page, use **Up** / **Down** button to select "C-xx" (xx=00~31,refer to part3-Numbers of indoor monitor)item on LED,then press **Up** / **Down** button to increase/decrease the value,and press **Menu** button to confirm the intercom calling.(note that the user code must be different for all monitors to activate the intercom call function)

3. Setup Instructions

Press **Menu** button and hold for 2s in standby mode,the LED will be shown a scroll information "User Set-",press **Up** button or **Down** button to stop the scroll,and the LED show the setting items. Press **Menu** button to select next setting items. To quit this setting menu, please tap **Cancel** button.

Setting Item	LED state	Description	Default
Door station call tone	1-xx	Set the ring tone calling from outdoor station. Total 12 pieces ring tones can be selected(xx=01~12),press Up button or Down button to increase/decrease the value,settings will be performed immediately.	02
Intercom call tone	2-xx	Set the ring tone calling from intercom call or inner call. Total 12 pieces ring tones can be selected(xx=01~12), press Up / Down button to increase/decrease the value, settings will be performed immediately.	12

Setting Item	L E D state	Description	Default
Door bell call tone	3-xx	Set the ring tone calling from door bell. Total 12 pieces ring tones can be selected(xx=01~12),press Up button or Down button to increase/decrease the value,settings will be performed immediately.	02
Ring volume	4-rx	Set the ring volume for call tone,range from 0~9.	6
Numbers of door station	5-0x	Maximum 4 door stations can be selected,this item is used to set the numbers of door station that can be surveilled by indoor monitor. Refer to part 2 ->Entrance Monitoring.	1
Numbers of indoor monitor	6-xx	Maximum 32 indoor monitors can be selected,this item is used to set the numbers of indoor monitor that can be selected to intercom. Refer to part 2 ->Intercom call.	04
Slave address setting for monitor	7-dx	Rang from 0~3,"0"-master monitor,"1~3"-slave monitor.	0
Restore to default setting	8-FS	The restore to default function allows the user to recover the settings to factory setting. Select "8-FS" item on LED,then press Up button,"yES-"will be asked,press Up button again,the LED will be shown"SUCC",that means settings are restored to default.	-

4. Specification

- Power Supply: DC24V
- Power Consumption: standby 25mA,working 110mA
- 7 segment LED: 4 digits dynamic
- Wiring: 2 wires, non-polarity
- Dimension: 187(H)X97(W)X33(D)mm